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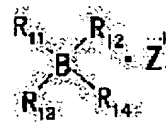
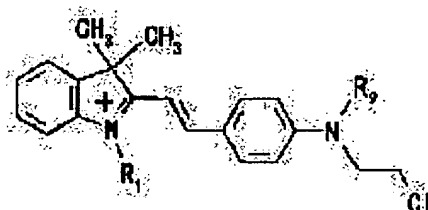
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(54) PHOTOCURABLE COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a composition which can be photocured even in the inside of the composition even if a pigment having high masking property, a coloring dye, and the like are contained at high concentrations by including a compound having an ethylene-type unsaturated bond, a specific cationic coloring matter, and a specific sensitizer.

SOLUTION: The composition is obtained by including (A) 100 parts wt. of a compound having at least one radical-polymerizable ethylene-type unsaturated bond in its molecule [e.g. methyl (meth)acrylate], (B) preferably, 0.01-2 parts wt. of a cationic coloring matter shown by the formula; D1⁺.A1 [D1⁺ is formula I (R1 and R2 are each an alkyl) and the like; A1 is an arbitrary anion], and (C) preferably, 0.05-5 part(s) wt. of a quaternary organic boron salt-based sensitizer shown by formula II (R11-R14 are each an alkyl and the like; Z⁺ is an arbitrary cation). It is preferable to add a polymerization promotor (e.g. sulfonium salt) and a UV radical polymerization initiator (e.g. benzoin isobutyl ether) to the composition.



II

LEGAL STATUS

[Date of request for examination]